

12-3-138 n 4
3-7-98

LFCo. Lab Service Memorandum

No. 10320

Date: 9 March 98

Subject: Sodium Hydroxide and City Water from the Seattle Boxplant

Keywords: as Title

Work Requested by: J. Schmaltz/ D. Mendenhall Work Performed by: Dwayne Van

Source and Description of Sample:

A sample of 50% NaOH and a sample of Seattle city water were received on 3/06/98.

Analytical Methods and Procedures:

pH was determined on the city water using the lab pH meter. The strength of the NaOH was determined by titration. Metals in the city water were determined by flame AA using the Unicam model 969.

Longview city water was used as a control sample.

Lab Results:

NaOH strength	50.3%
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	Seattle City Water	Longview City Water
pH	7.58	6.64
ppm Calcium	8.75	9.88
ppm Chromium	0.05	0.06
ppm Copper	0.10	0.14
ppm Iron	0.0	0.42
ppm Sodium	2.44	5.72
ppm Lead	0.0	0.0
ppm Zinc	0.0	0.01

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